

ALTECH® PC ECO 1000/578

Polycarbonate
ALBIS PLASTIC GmbH

Message:

ALTECH®PC ECO 1000/578 is a polycarbonate (PC) product. It can be processed by injection molding and is available in North America, Europe or the Asia-Pacific region. ALTECH®The application fields of PC ECO 1000/578 include electrical/electronic applications, electrical appliances, housing and automobile industries.

Features include:

- Comply with REACH standard
- ROHS certification
- excellent release agent

General Information			
Features	Good demoulding performance		
Uses	Electrical/Electronic Applications		
	Electrical appliances		
	Application in Automobile Field		
	Shell		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (300°C/1.2 kg)	7.00	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2500	MPa	ISO 527-2
Tensile Stress (Yield)	66.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	6.2	%	ISO 527-2
Fracture	70	%	ISO 527-2
Flexural Modulus	2400	MPa	ISO 178
Flexural Stress	100	MPa	ISO 178
Flexural Deflection at Max Force	6.9	%	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
--	13	kJ/m ²	ISO 179/1eA
-30°C	11	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
--	No Break		ISO 179/1eU
-30°C	No Break		ISO 179/1eU

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	125	°C	ISO 75-2/A
Vicat Softening Temperature	145	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Drying Temperature			
Dehumidification desiccant	100 - 120	°C	
Hot air dryer	100 - 120	°C	
Drying Time			
Dehumidification desiccant	4.0 - 12	hr	
Hot air dryer	2.0 - 3.0	hr	
Processing (Melt) Temp	270 - 310	°C	
Mold Temperature	80 - 110	°C	

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